Title (en)

HOOK RE-ENTRY PREVENTION DEVICE AND RECORDING MEDIUM, IN WHICH PROGRAM FOR EXECUTING METHOD THEREOF IN COMPUTER IS RECORDED THEREON

Title (de)

VORRICHTUNG ZUR VERHINDERUNG EINER ERNEUTEN ANKOPPELUNG UND AUFZEICHNUNGSMEDIUM MIT EINEM DARAUF AUFGEZEICHNETEN PROGRAMM ZUR AUSFÜHRUNG EINES ENTSPRECHENDEN VERFAHRENS AUF EINEM COMPUTER

Title (fr)

DISPOSITIF D'INTERDICTION DE RENTRÉE DE CROCHET ET SUPPORT D'ENREGISTREMENT SUR LEQUEL EST ENREGISTRÉ UN PROGRAMME POUR EXÉCUTER UN PROCÉDÉ CORRESPONDANT DANS UN ORDINATEUR

Publication

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Application

EP 11818409 A 20110818

Priority

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Abstract (en)

Disclosed are a hook re-entry prevention device and a recording medium, in which a program for executing the method thereof in a computer is recorded thereon. A state information management module sets or releases a state information flag which indicates whether a hook function is called. If the state information flag is set when the hook function is called, a re-entry prevention module determines that the calling of the hook function has been conducted from the inside of a hook layer and returns a value to a system layer. According to the present invention, an entry/breakaway layer which is independent from the hook layer functions in such a manner that the hook layer is safely isolated from the hook, thereby preventing hook re-entry caused by the callback of an original function of a lower function while a hook routine within the hook layer is performed during a dynamic API hooking.

IPC 8 full level

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